

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) An orthodontic implant system for tooth mobilization, comprising:

- an implant having a shaft which can be implanted in a jawbone, and a head adjoining said shaft at one end of said shaft;
- fastening means on said head of said implant for fixing at least one elongate tensioning/retaining element on said head, said fastening means having at least one ~~elongate~~ elongated recess for receiving a section of said at least one tensioning/retaining element, said recess being formed ~~in an outer surface as a slit recessed in a free end~~ of said head and extending substantially transversely to a longitudinal axis of said shaft and being open on at least one side of said head;
- a curable adhesive composition disposed on said head over said section of said at least one tensioning/retaining element for fixing said section of said at least one tensioning/retaining element in said at least one recess.

2. (Cancelled)

3. (Original) The implant system of claim 2_1, wherein a depth of said slit is such that said slit can receive at least two tensioning/retaining elements one above the other.

4. (Original) The implant system of claim 1, wherein said at least one recess is formed as a borehole in said head.
5. (Original) The implant system of claim 1, wherein said fastening means have at least two recesses.
6. (Original) The implant system of claim 5, wherein said at least two recesses cross one another.
7. (Original) The implant system of claim 6, wherein said at least two recesses cross one another at right angles.
8. (Original) The implant system of claim 1, wherein a free end of said head has a coning which tapers toward said free end of said head, with said at least one recess being formed in said coning.
9. (Original) The implant system of claim 8, wherein a radially inwardly directed undercut adjoins said coning at an end opposite to said tapered free end.
10. (Original) The implant system of claim 1, wherein said shaft has a thread for screwing into the jawbone, and a polygon is formed around said head to fit a corresponding tool.

11. (Original) The implant system of claim 1, wherein said shaft and said head are formed together in one piece.

12. (Original) The implant system of claim 1, wherein said head and said shaft are fabricated from a rod-like solid material in a material-removing process.

13. (Original) The implant system of claim 1, wherein said adhesive composition is in ductile form before application to said head and can be cured after application.

14. (Original) The implant system of claim 13, wherein said adhesive composition is curable by means of light.

15. (Currently Amended) An orthodontic implant system for tooth mobilization, comprising:

- an implant having a shaft which can be implanted in a jawbone, and a head adjoining said shaft at one end of said shaft;

- fastening means on said head of said implant for fixing at least one elongate tensioning/retaining element on said head, said fastening means having at least one ~~elongate~~ elongated recess for receiving a section of said at least one tensioning/retaining element, said recess being formed on said head and extending substantially transversely to a longitudinal axis of said shaft and being open on at least one side of said head, said at least one recess being formed as slit recessed at a free

end of said head, and a depth of said slit being such that said slit can receive at least two tensioning or retaining elements one above the other;

- a curable adhesive composition for fixing said section of said at least one tensioning/retaining element in said at least one recess.

16. (Original) The implant system of claim 15, wherein a free end of said head has a coning which tapers toward said free end of said head, with said at least one recess being formed in said coning.

17. (Original) The implant system of claim 16, wherein a radially inwardly directed undercut adjoins said coning at an end opposite to said tapered free end.

18. (Original) The implant system of claim 15, wherein said fastening means have at least two recesses.

19. (New) An orthodontic implant system for tooth mobilization, comprising:

- at least one elongate tensioning/retaining element;
- an implant having a shaft which can be implanted or is implanted in a jawbone, and a head adjoining said shaft at one end of said shaft;
- fastening means on said head of said implant for fixing at least one elongate tensioning/retaining element on said head, said fastening means having at least one elongated recess for receiving a section of said at least one tensioning/retaining element, said recess being formed on said head and extending

substantially transversely to a longitudinal axis of said shaft and being open on at least one side of said head;

wherein a section of said at least one tensioning/retaining element is fixed in said at least one recess by means of an adhesive composition.

20. (new) Method for fixing a tensioning/retaining element to an orthodontic implant comprising the steps of:

- providing at least one elongate tensioning/retaining element;
- providing an implant having a shaft and a head adjoining said shaft at one end of said shaft;
- fastening means on said head of said implant for fixing at least one elongate tensioning/retaining element on said head, said fastening means having at least one elongated recess for receiving a section of said at least one tensioning/retaining element, said recess being formed on said head and extending substantially transversely to a longitudinal axis of said shaft and being open on at least one side of said head;
- providing a curable adhesive composition;
- putting a section of said tensioning/retaining element in said recess;
- fixing said at least one tensioning/retaining element in said at least one recess by means of the adhesive composition.

21. (new) An orthodontic implant system for tooth mobilization, comprising:

- an implant having a shaft which can be implanted in a jawbone, and a head adjoining said shaft at one end of said shaft;
- fastening means on said head of said implant for fixing at least one elongate tensioning/retaining element on said head, said fastening means having at least two elongated recesses for receiving a section of said at least one tensioning/retaining element, said recesses being formed on said head and extending substantially transversely to a longitudinal axis of said shaft and being open on at least one side of said head;
- a curable adhesive composition disposed on said head and over said section of said at least one tension/retaining element for fixing said section of said at least one tensioning/retaining element in said at least one recess.